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ABSTRACT

A reader of an RFID system has excitation circuitry for generating a higher voltage excitation signal, receiving circuitry for reading a lower voltage transponder signal and an antenna coupled with the excitation circuitry for transmitting the excitation signal and coupled with the receiving circuitry for receiving the transponder signal. The receiving circuitry includes a low voltage signal stripping circuit coupled with the antenna for isolating the transponder signal from the excitation signal preliminary to the receiving circuitry reading the transponder signal. The bulk of the components of the low voltage signal stripping circuit are low voltage components, which can be included in an application specific integrated circuit.